

# Freeform Search

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Database:

US Pre-Grant Publication Full-Text Da  
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Search Type: ☒ Prior Art ☐ Interference

Term:

L30 AND CO-CULTIVATION

Recall Text



Display:

30

Documents in Display Format: - Starting with Number

1

Generate:

☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

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Interrupt

## Search History

DATE: Monday, July 27, 2009

[Purge Queries](#)[Printable Copy](#)[Create Case](#)SetNameQueryHit CountSetName

Result Set

Set Name

Grid

Side by  
Side*Prior Art Searches**DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L38</u>	(435/29.ccls. or 435/325.ccls. or 435/366. CCLS. OR 435/286.5.ccls. or 435/287.1. ccls. or 435/297.2.ccls. or 435/297.5.ccls.or 435/305.3.ccls.) AND SINGLE ADJ5 MEMBRANE AND DIFFERENT ADJ2 TYPES AND CELL CULTURES AND CO- CULTIVATION	2	<u>L38</u>	<u>L38</u>
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<u>L36</u>	(435/29.ccls. or 435/325.ccls. or 435/366. CCLS. OR 435/286.5.ccls. or 435/287.1. ccls. or 435/297.2.ccls. or 435/297.5.ccls.or 435/305.3.ccls.) AND SINGLE ADJ5 MEMBRANE AND DIFFERENT ADJ2 TYPES AND CELL CULTURES	450	<u>L36</u>	<u>L36</u>
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*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L25</u>	L24 AND CONTINUOUSLY	10	<u>L25</u>	<u>L25</u>
<u>L24</u>	L22 AND TWO AND CELL CULTURES	37	<u>L24</u>	<u>L24</u>
<u>L22</u>	L21 AND SINGLE MEMBRANE	37	<u>L22</u>	<u>L22</u>
<u>L21</u>	CELL CULTURE AND CHAMBER AND CAMERA AND SINGLE ADJ10 MEMBRANE	470	<u>L21</u>	<u>L21</u>

*DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L13</u>	(435/29.ccls. or 435/325.ccls. or 435/286.5. ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls.or 435/305.3.ccls.) or (5424209 or 6329195 or 6447726 ) or ("20010039045" "20030151735"  "20030190744" "20050266547"  "20060003441" "20070117131"  "3836335" "3895741" "3941662"  "4175860" "4629686" "4650766"  "4810658" "4839292" "4974952"  "4999298" "5286646" "5424209"  "5629202" "5665599" "5700632"  "5770392" "6251653" "6329195"  "6447726" "6468788" "6498862"  "6586235" "6630343" "6656449"  "6673595" "6673620" "6706520"  "6713298" "7198940" "7390648"  "7435870" ("20030190744" "4565598"	33728	<u>L13</u>	<u>L13</u>
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"4810658" "4839292" "4974952"  
 "5665599" "5700632" "6586235"  
 "6673620" "6706520" "6713298"))AND  
 CELL CULTURE AND CHAMBER AND  
 CAMERA AND CONTINUOUS\$ AND  
 MEASUR\$ AND DIRECT\$ ADJ10  
 (COCULTIVAT\$ OR CO ADJ1  
 CULTIVAT\$ OR CO-CULTIVAT\$) AND  
 SINGLE ADJ10 MEMBRANE AND  
 CONTINUOUS GASSING

<u>L12</u>	L11 AND DIRECT\$ ADJ10 (COCULTIVAT\$ OR CO ADJ1 CULTIVAT\$ OR CO-CULTIVAT\$)	2	<u>L12</u>	<u>L12</u>
<u>L11</u>	L10 AND SINGLE ADJ10 MEMBRANE  (435/29.ccls. or 435/325.ccls. or 435/286.5. ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls.or 435/305.3.ccls.) or (5424209 or 6329195 or 6447726 ) or ("20010039045" "20030151735" "20030190744" "20050266547" "20060003441" "20070117131" "3836335" "3895741" "3941662" "4175860" "4629686" "4650766" "4810658" "4839292" "4974952" "4999298" "5286646" "5424209" "5629202" "5665599" "5700632" "5770392" "6251653" "6329195" "6447726" "6468788" "6498862" "6586235" "6630343" "6656449" "6673595" "6673620" "6706520" "6713298" "7198940" "7390648" "7435870" ("20030190744" "4565598" "4810658" "4839292" "4974952" "5665599" "5700632" "6586235" "6673620" "6706520" "6713298"))AND @pd<=20020917 AND CELL CULTURE AND CHAMBER AND CAMERA AND CONTINUOUS\$ AND MEASUR\$	1513	<u>L11</u>	<u>L11</u>
<u>L10</u>		33728	<u>L10</u>	<u>L10</u>

(435/29.ccls. or 435/325.ccls. or 435/286.5.  
 ccls. or 435/287.1.ccls. or 435/297.2.ccls. or  
 435/297.5.ccls.or 435/305.3.ccls.) or  
 (5424209 or 6329195 or 6447726 ) or  
 ("20010039045"|"20030151735"  
 !"20030190744"|"20050266547"  
 !"20060003441"|"20070117131"  
 !"3836335"|"3895741"|"3941662"  
 !"4175860"|"4629686"|"4650766"  
 !"4810658"|"4839292"|"4974952"  
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 !"7435870" ("20030190744"|"4565598"  
 !"4810658"|"4839292"|"4974952"  
 !"5665599"|"5700632"|"6586235"  
 !"6673620"|"6706520"|"6713298"))AND  
 @pd<=20020917

L9

34026

L9L9

(435/29.ccls. or 435/325.ccls. or 435/286.5.  
 ccls. or 435/287.1.ccls. or 435/297.2.ccls. or  
 435/297.5.ccls.or 435/305.3.ccls.) or  
 (5424209 or 6329195 or 6447726 ) or  
 ("20010039045"|"20030151735"  
 !"20030190744"|"20050266547"  
 !"20060003441"|"20070117131"  
 !"3836335"|"3895741"|"3941662"  
 !"4175860"|"4629686"|"4650766"  
 !"4810658"|"4839292"|"4974952"  
 !"4999298"|"5286646"|"5424209"  
 !"5629202"|"5665599"|"5700632"  
 !"5770392"|"6251653"|"6329195"  
 !"6447726"|"6468788"|"6498862"  
 !"6586235"|"6630343"|"6656449"  
 !"6673595"|"6673620"|"6706520"  
 !"6713298"|"7198940"|"7390648"  
 !"7435870")AND @pd<=20020917

L8

34026

L8L8

<u>L7</u>	(435/29.ccls. or 435/325.ccls. or 435/286.5.ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls. or 435/305.3.ccls.) or (5424209 or 6329195 or 6447726 ) or ("20010039045" "20030151735" "20030190744" "20050266547" "20060003441" "20070117131" "3836335" "3895741" "3941662" "4175860" "4629686" "4650766" "4810658" "4839292" "4974952" "4999298" "5286646" "5424209" "5629202" "5665599" "5700632" "5770392" "6251653" "6329195" "6447726" "6468788" "6498862" "6586235" "6630343" "6656449" "6673595" "6673620" "6706520" "6713298" "7198940" "7390648" "7435870")	34272	<u>L7</u>	<u>L7</u>
<u>L6</u>	(435/29.ccls. or 435/325.ccls. or 435/286.5.ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls.) or (5424209 or 6329195 or 6447726 ) or ("20010039045" "20030151735" "20030190744" "20050266547" "20060003441" "20070117131" "3836335" "3895741" "3941662" "4175860" "4629686" "4650766" "4810658" "4839292" "4974952" "4999298" "5286646" "5424209" "5629202" "5665599" "5700632" "5770392" "6251653" "6329195" "6447726" "6468788" "6498862" "6586235" "6630343" "6656449" "6673595" "6673620" "6706520" "6713298" "7198940" "7390648" "7435870").PN.	33589	<u>L6</u>	<u>L6</u>
<u>L5</u>	(435/29.ccls. or 435/325.ccls. or 435/286.5.ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls.) or (5424209 or 6329195 or 6447726 )	33532	<u>L5</u>	<u>L5</u>
<u>L4</u>	(5424209 or 6329195 or 6447726 )	81	<u>L4</u>	<u>L4</u>

<u>L3</u>	(5424209.pn. or 6329195.pn. or 6447726.pn.)	6	<u>L3</u>	<u>L3</u>
<u>L2</u>	(435/29.ccls. or 435/325.ccls. or 435/286.5.ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls.)	33477	<u>L2</u>	<u>L2</u>
<u>L1</u>	10/528060	1	<u>L1</u>	<u>L1</u>

### *Interference Searches*

*DB=PGPB; PLUR=YES; OP=ADJ*

<u>L34</u>	L33 AND 132	2	<u>L34</u>	<u>L34</u>
<u>L33</u>	(435/29.ccls. or 435/325.ccls. or 435/366.CCLS. OR 435/286.5.ccls. or 435/287.1.ccls. or 435/297.2.ccls. or 435/297.5.ccls.or 435/305.3.ccls.)	20680	<u>L33</u>	<u>L33</u>

*DB=PGPB,USPT,UPAD; PLUR=YES; OP=ADJ*

<u>L32</u>	L30 AND CO-CULTIVATION	3	<u>L32</u>	<u>L32</u>
<u>L31</u>	L30 AND DIRECT ADJ5 CO-CULTIVAT\$	0	<u>L31</u>	<u>L31</u>
<u>L30</u>	L29 AND DIFFERENT ADJ2 TYPES	167	<u>L30</u>	<u>L30</u>
<u>L29</u>	L26 AND SINGLE ADJ5 MEMBRANE	266	<u>L29</u>	<u>L29</u>
<u>L28</u>	SINGLE ADJ5 MEMBRANE	11183	<u>L28</u>	<u>L28</u>
<u>L27</u>	L26	362	<u>L27</u>	<u>L27</u>

*DB=PGPB; PLUR=YES; OP=ADJ*

<u>L26</u>	CELL CULTURE AND CHAMBER AND CAMERA AND SINGLE ADJ10 MEMBRANE	362	<u>L26</u>	<u>L26</u>
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END OF SEARCH HISTORY